

Title (en)
SERIAL DOT PRINTER FOR OFFICE MACHINES

Publication
EP 0114718 B1 19880810 (EN)

Application
EP 84200075 A 19810317

Priority
• IT 6713481 A 19810202
• IT 6741780 A 19800320

Abstract (en)
[origin: EP0114718A2] Printing is effected on paper (82) passing over a platen (80) by applying high voltage pulses from a transformer (200) between electrically conductive ink (102) and a counter-electrode (89), so as to eject dots of ink through a nozzle (106). Each dot is created by a pulse of current I1 drawn from a storage capacitor (402) through the transformer primary (210) under control of a switching transistor (198) controlled in turn by pulses (TP). The pulses (TP) are provided by a monostable circuit (415) which has a time constant network (420, 421) energised by a potential divider (418,419) connected across the storage capacitor (402). The arrangement is such that, when the voltage across the capacitor (402) falls during rapidly repeated dot printing, the time constant of the monostable circuit (415) is increased and the total pulse energy supplied to the transformer (200) is maintained, thereby to maintain uniform dot density on the paper (82).

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B41J 3/04

IPC 8 full level
B41J 2/04 (2006.01); **B41J 2/175** (2006.01); **B41J 19/20** (2006.01); **B41J 27/16** (2006.01)

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EP 0114718 A2 19840801; EP 0114718 A3 19840919; EP 0114718 B1 19880810; AR 231944 A1 19850430; AR 242150 A1 19930331; AU 540681 B2 19841129; AU 540700 B2 19841129; AU 6860781 A 19810924; AU 6860881 A 19810924; BR 8101638 A 19810922; BR 8101642 A 19810922; CA 1149859 A 19830712; CA 1167691 A 19840522; DE 3163830 D1 19840705; DE 3170921 D1 19850718; EP 0036739 A2 19810930; EP 0036739 A3 19820721; EP 0036739 B1 19850612; EP 0036740 A2 19810930; EP 0036740 A3 19811118; EP 0036740 B1 19840530; EP 0086547 A1 19830824; EP 0086547 B1 19860102; ES 500520 A0 19820516; ES 8204945 A1 19820516; HK 56186 A 19860808; HK 93284 A 19841207; SG 73284 G 19850404; US 4392146 A 19830705; US 4428693 A 19840131; US 4439779 A 19840327; US 4459053 A 19840710

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